

Paper # 5
8/30/2000
OIPERAW SEQUENCE LISTING
PATENT APPLICATION: US/09/643,260DATE: 08/30/2000
TIME: 14:27:40Input Set : A:\Yu5066ul.app
Output Set: N:\CRF3\08302000\I643260.raw

ENTERED

3 <110> APPLICANT: May, Michael J.
4 Ghosh, Sankar
6 <120> TITLE OF INVENTION: Inhibition of NF-kappa B Activation by Blockade of IKK
7 beta-NEMO Interactions at the NEMO Binding Domain
9 <130> FILE REFERENCE: 44574-5066-US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/643,260
C--> 12 <141> CURRENT FILING DATE: 2000-08-22
14 <150> PRIOR APPLICATION NUMBER: US 60/201,261
15 <151> PRIOR FILING DATE: 2000-05-02
17 <160> NUMBER OF SEQ ID NOS: 27
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 33
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <220> FEATURE:
27 <223> OTHER INFORMATION: NEMO binding domain (NBD) of wild type IKK beta
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30 acggccctag actggagctg gttacagacg gaa 33
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34 <211> LENGTH: 6
35 <212> TYPE: PRT
36 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD peptide
40 sequence
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44 1 5
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48 <211> LENGTH: 6
49 <212> TYPE: PRT
50 <213> ORGANISM: Artificial Sequence
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53 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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57 Leu Asp Ala Ser Ala Leu
58 1 5
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62 <211> LENGTH: 6
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
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68 peptide sequence
70 <400> SEQUENCE: 4

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72   1                               5
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77 <212> TYPE: PRT
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81 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
82   peptide sequence
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85 Leu Asp Trp Ser Trp Ala
86   1                               5
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 6
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
96   peptide sequence
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100  1                               5
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 6
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
110   peptide sequence
112 <400> SEQUENCE: 7
113 Leu Ala Trp Ser Trp Leu
114  1                               5
117 <210> SEQ ID NO: 8
118 <211> LENGTH: 6
119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
124   peptide sequence
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127 Leu Glu Trp Ser Trp Leu
128  1                               5
131 <210> SEQ ID NO: 9
132 <211> LENGTH: 6
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
138   peptide sequence

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142 1 5
145 <210> SEQ ID NO: 10
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148 <213> ORGANISM: Artificial Sequence
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155 Leu Asp Ala Ser Trp Leu
156 1 5
159 <210> SEQ ID NO: 11
160 <211> LENGTH: 6
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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168 <400> SEQUENCE: 11
169 Leu Asp Phe Ser Trp Leu
170 1 5
173 <210> SEQ ID NO: 12
174 <211> LENGTH: 6
175 <212> TYPE: PRT
176 <213> ORGANISM: Artificial Sequence
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179 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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182 <400> SEQUENCE: 12
183 Leu Asp Tyr Ser Trp Leu
184 1 5
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 6
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
194 peptide sequence
196 <400> SEQUENCE: 13
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198 1 5
201 <210> SEQ ID NO: 14
202 <211> LENGTH: 6
203 <212> TYPE: PRT
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant

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211 Leu Asp Trp Ser Phe Leu
212   1           5
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221 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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225 Leu Asp Trp Ser Tyr Leu
226   1           5
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230 <211> LENGTH: 6
231 <212> TYPE: PRT
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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238 <400> SEQUENCE: 16
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240   1           5
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244 <211> LENGTH: 6
245 <212> TYPE: PRT
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248 <220> FEATURE:
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254   1           5
257 <210> SEQ ID NO: 18
258 <211> LENGTH: 28
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260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Wild type NBD
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266 <400> SEQUENCE: 18
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268   1           5           10           15
270 Lys Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
271           20           25
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 28
276 <212> TYPE: PRT

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277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Description of Artificial Sequence: Mutant NBD
281     peptide
283 <400> SEQUENCE: 19
284 Asp Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
285   1           5           10           15
287 Lys Thr Ala Leu Asp Ala Ser Ala Leu Gln Thr Glu
288           20           25
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292 <211> LENGTH: 30
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Description of Artificial Sequence: RT-PCR primer
299 <400> SEQUENCE: 20
300 atagacgaat tcaataggca cctctggaag
303 <210> SEQ ID NO: 21
304 <211> LENGTH: 31
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Description of Artificial Sequence: RT-PCR primer
311 <400> SEQUENCE: 21
312 taggacctcg agctactcaa tgcactccat g
315 <210> SEQ ID NO: 22
316 <211> LENGTH: 36
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial Sequence: Forward PCR
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325 ctagtctgaat tcacctatgca gagcacagcc aattac
328 <210> SEQ ID NO: 23
329 <211> LENGTH: 33
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Description of Artificial Sequence: Reverse PCR
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337 <400> SEQUENCE: 23
338 ctagtctcta gattagacat caggaggtgc tgg
341 <210> SEQ ID NO: 24
342 <211> LENGTH: 18
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence

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VERIFICATION SUMMARY DATE: 08/30/2000
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Input Set : A:\Yu5066ul.app
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L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date